

In the Claims

1. (Currently Amended) A biomass gasification system comprising:
a gasification furnace which generates a fuel gas from biomass;
a supply system which feeds the fuel gas from the gasification furnace to a utilization system,
an adjustably openable supply system damper associated with the supply system,
a supply system fan associated with the supply system that extracts the fuel gas from said
gasification furnace,
a reforming device associated with the supply system and which attains a process temperature
at which a tar component within the fuel gas is thermally cracked, ~~connected to a~~
an induction line extending from the supply system which feeds at a location between the
reforming device and said supply system damper and connected to said gasification furnace to draw
the fuel gas from said supply system to the gasification furnace,
an induction to a utilization system; and fan connected to the induction line that draws in the
fuel gas from the supply system,
an adjustably openable induction system damper associated with the induction line,
a thermal sensor which monitors and senses a temperature of the reforming device,
a control unit which receives temperature information of the reforming device from the
thermal sensor, outputs control signals to open the induction system damper, activate the induction
system fan, close the supply system damper and stop the supply system fan for the purpose of
feeding a fuel gas induction system that feeds the fuel gas from said the reforming device to said the
gasification furnace as fuel to power operation of said the gasification furnace during a time when
said the reforming device has not yet attained a the process temperature, and outputs control signals
to close the induction system damper, stop the induction system fan, open the supply system damper
and activate the supply system fan to direct the flow of the fuel gas from the reforming device to the
utilization system during a time when the temperature of the reforming device attains the process
temperature.
2. (Currently Amended) The biomass gasification system according to claim 1, wherein
the combustion turning control means is provided to select unit selects an initial operation of the
gasification furnace to be based on a fossil fuel, and a subsequent operation to be based on the or fuel
gas as the fuel to be combusted to drive the gasification furnace supplied from the reforming device

through the induction line during the period in which the temperature within the reforming device has not yet attained the process temperature.

3.-4. (Cancelled)